

METHOD, APPARATUS, AND MEDIUM FOR CALIBRATION OF  
TOMOSYNTHESIS SYSTEM GEOMETRY USING FIDUCIAL  
MARKERS WITH NON-DETERMINED POSITION

ABSTRACT OF THE DISCLOSURE

Geometry of a tomosynthesis system including a detector and an x-ray source is determined using fiducial markers with non-determined positions. The geometry is determined by arbitrarily identifying at least two markers within an imaged volume, at different relative distances between the detector and the x-ray source, without having projections located on a straight line for all different source positions, and locating the projections of the markers within at least two images acquired of the imaged volume. The at least two images correspond to different positions of a focal spot of the x-ray source.